

1	CCACGCGTC	GCATATAATC	AGCAGCGGGC	CGGAGAACCC	CGCAATCTCT	GGCCCCACAA	AATACACCGA	CGATGCCCCG	TCTACTTTAA	GGGCTGAAC
	GGGTGCGCAG	CGGTATTTAG	TCGTGCGCGC	GCCTCTTGGG	CGCTTAGAGA	CGCGGTGCTT	TTATGTGGCT	GCTACGGGCT	AGATGAAATT	CCCGACTTTC
101	CCACGGGCT	GAGAGACTAT	AAGAGCGTTC	CCTACCGCCA	TGGAACAACG	GGGACAGAAC	GGCGGGGGC	CTTCGGGGC	CCGAAAAGG	CACGGGCCAG
1	GGTCCCGGA	CTCTCTGATA	TTCTCGCAG	GGATGGCGGT	ACCTTGTTGC	CCCTGTCTTG	CGGGCGGGC	GAAGCCCCC	GGCCTTTTC	GTGCGGGTC
					MetGlulnAr	gGlyGlnAsn	AlaProAla	AsnGlyAl	AsnGlyAl	HisGlyProGly
201	GACCCAGGA	GGCGGGGGA	GCCAGGCGTG	GGCTCCGGGT	CCCCAAGACC	CTTGCTGCTG	TTGTGCGCGC	GGTCTGCTG	TTGGTCTCAG	CTGAGTCTGC
	CTGGTCCCT	CGCGGCCCT	CGGTCCGGAC	CCGAGGCCCA	GGGTCTCTG	GAACACGAGC	AACAGCGGGC	CCAGGACGAC	AACACAGATC	GACTCAGACG
22	ProArgG1	uAlaArgGly	AlaArgProG	lyLeuArgVa	lProLysThr	LeuValLeuV	alValAlaAl	alValLeuLeu	LeuValSera	laGluserAla
301	TCTGATCAC	CAACAAGACC	TAGTCCCGCA	GCAGAGAGCG	GGCCACACAC	AAAAGAGGTC	CAGCCCCCTC	GAGGGATTGT	GTCCACCTGG	ACACCATATC
	AGACTAGTG	GTGTTCTTG	ATCGAGGGGT	CGTCTCTCG	CGGGGTGTTG	TTTTCTCCAG	GTGCGGGAGT	CTCCCTAACA	CAGGTGGACC	TGTGGTATAG
55	LeuileThr	GlnGlnAspL	euAlaProG1	nGlnArgAla	AlaProGlnG	lnLysArgSe	rSerProSer	GlucGlyLeu	ysProProG1	yHisHisile
401	TCAGAAGACG	GTAGAGATTG	CATCTCCTGC	AAATATGGAC	AGGACTATAG	CACCTCACTGG	AATGACCTCC	TTTTCTGCTT	GGGTGACCC	AGGTGTGATT
	AGTCTTCTGC	CATCTCTAAC	GTAGAGGACG	TTTATACCTG	TCCTGATATC	GTGAGTGACC	TTACTGGAGG	AAAAGACGAA	CGCGACGTGG	TCCACACTAA
-88	SerGluaspG	lyArgAspCy	sileSerCys	LysTyrGlyG	lnAspTyrse	rThrHisTrp	AsnAspLeuL	eupheCysLe	uArgCysThr	ArgCysAspSer
501	CAGGTGAAGT	GGAGCTAAGT	CCCTGCACCA	CGACACAGAA	CACAGTGTGT	CAGTGGGAG	AAGGACCTT	CCGGGAAGAA	GATTCTCCTG	AGATGTGCCC
	GTCCACTTCA	CCTCGATTCA	GGGACGTGGT	GCTGGTCTTT	GTGTACACAC	GTACAGCTTC	TTCCGTGGA	GGCCCTTCTT	CTAAGAGGAC	TCTACACGGC
122	GlyGluva	lGluLeuser	ProCysThrt	hrThrArgAs	lnThrValCys	GlnCysGluG	lucGlyThrPh	eArgGluGlu	AspSerProG	luMetCysArg
601	GAAGTCCCG	ACAGGGTGTG	CCAGAGGGAT	GGTCAAGGTC	GGTGATTGTA	CACCTGGAG	TGACATCGAA	TGTGTCCACA	AAGAATCAGG	CATCATCATA
	CTTCAGGCG	TGTCACACAG	GGTCTCCCTA	CCAGTTCACG	CCACTAACAT	GTGGGACCTC	ACTGTAGCTT	ACACAGGTGT	TTCTTAGTCC	GATAGTAGTAT
155	LysCysArg	ThrGlyCysP	roArgGlyMe	tvallYsVal	GlyAspCysT	hrProTrpSe	rAspIleGlu	CysValHisL	ysGluSerG1	yileIleile
701	GGAGTCACAG	TTGCAGCCGT	AGTCTTGATT	GTGGCTGTGT	TTGTTTGCAA	GTCTTTACTG	TGGAAGAAAG	TCCTTCTCTTA	CCTGAAAAGCC	ATCTGCTCAG
	CCTCAGTGTG	AACGTGGGCA	TCAGAACTAA	CACCGACACA	AACAAACGTT	CAGAAATGAC	ACCTTCTTTC	AGGAAGGAAT	GGACTTTCCG	TAGACGAGTC
188	GlyValThrV	alAlaAlava	lValleuile	ValAlaValP	heValCysLy	sserLeuLeu	TrpLysLysV	alLeuProTy	rLeuLysclY	IleCysSerGly
801	GTGGTGGTG	GGACCTGAG	CGTGTGGACA	GAAGCTCACA	AGACCTGGG	GCTGAGGACA	ATGTCTCTCA	TGAGATCGTG	AGTATCTTGC	AGCCACCCCA
	CACCAACACC	CCTGGGACTC	GCACACCTGT	CTTCGAGTGT	TGCTGGACCC	CGACTCCTGT	TACAGGAGTT	ACTCTAGCAC	TCATAGAACC	TGGGTGGGT
222	GlyGlyG1	YaspProGlu	ArgValAspA	rgSerSerG1	narGProGly	AlaGluAspa	snValLeuAs	ngluileVal	SerileLeuG	lnProThrGln
901	GGTCCCTGAG	CAGGAAATGG	AAGTCCAGGA	GCCAGCAGAG	CCACACAGGTG	TCAACATGTT	GTCCCCCGGG	GAGTCAGAGC	ATCTGCTGGA	ACCGGCAGAA
	CCAGGGACTC	GTCTTTTACC	TTCAGGTCTC	CGGTGCTCTC	GGTTGTCCAC	AGTTGTACAA	CAGGGGGGCC	CTCAGTCTCG	TAGACGACCT	TGCGCGTCTT
255	ValProGlu	GlnGluMetG	luValGlnG1	uProAlaGlu	ProThrGlyV	alasnMetle	userProGly	GluserGluH	lsLeuLeuG1	uProAlaGlu
1001	GCTGAAAGGT	CTCAGAGGAG	GAGGTGCTG	GTTCACAGCA	ATGAAGGTGA	TECCACTGAG	ACTCTGAGAC	AGTGTCTCGA	TGACTTTGCA	GACTTGGTGC
	CGACTTTCCA	GAGTCTCTC	CTCCGACGAC	CAAGGTCTGT	TACTTCCACT	AGGTGACTC	TGAGACTCTG	TCACGAAAGCT	ACTGAAACCT	CTGAACCCAG
208	AlaGluArgS	erglnArgar	gArgLeuLeu	ValProAlaA	snGluGlyAs	pProThrGlu	ThrLeuArgg	lnCysPheAs	paspPheAla	AspLeuValPro

1101 CCTTGAATC CTGGAGCCG CTCATGAGGA AGTTGGCCCT CATGGACAAT GAGATAAAGC TGAGGCAGCG GCCACAGGG ACACCTTGTA
 9GAAACTGAG GACCCCTGGC GAGTACTCCT TCAACCCGGA GTACCTGTTA CTGTATTTC AGCAATTCG ACTCGTCCG CCGGTGTCAT TGTGGAACAT
 322 PheAspse rTTPGluPro LeuMetArgL yLeuGlyLe uMetAspAsn GluilelySV aAlaIySAI AGluAlaAla GlyHISArgA sPThrLeuTyF
 1201 CACGATGCTG ATAAAGTGGG TCAACAAAC CCGGCGAGAT GCCTCTGTCC ACACCTGCT GCATGCCCTTG GAGACGCTGG GAGAGAGACT TGCCAAGCAG
 GTGCTAGCAG TATTACACC AGTTGTTTTG GCCCGCTCTA CGGAGACAGG TGTGGGACGA CCTACGGAAC CTCTGCGACC CTCTCTCTGA ACGGTTCCCTC
 355 ThrMetLeu IlelySTrpV alaSnLySTh rGlyArgAsp AlaservAlH lSThrLeuLe uASpAlaLeu GluThrLeug lyGluArgLe uAlaLySgIn
 1301 AAGATTGAGG ACCACTTGTT GAGCTCTGGA AAGTTCAATGT ATCTAGAAGG TAATGCAGAC TCTGCCWTGT CCTAAGTGTG ATTCTCTTCA GGAAGTGAGA
 TTCTAACTCC TGGTGAACAA CTCGAGACCT TTCAAGTACA TAGATCTTCC ATTACGTCTG AGACGGAACA GGATTACACAC TAAGAGAAGT CCTTCACTCT
 388 LysIleGluA sPHISLeuLe uSerSerGly LysPheMetT yLeuGluGl yAsnAlaAsp SerAlaXqqS eROG*
 1401 CCTTCCCTGG TTTACCTTTT TTCTGGAAAA AGCCCAACTG GACTCCAGTC AGTAGGAAAG TGCCACAATT GTCACATGAC CGGTACTGGA AGAAACTCTC
 GGAAGGGACC AAATGGAAAA AAGACCTTTT TCGGGTTGAC CTGAGGTCAG TCATCCTTTT ACGGTGTTAA CAGTGTACTG GCCATGACCT TCTTTGAGAG
 1501 CCATCCAACA TCACCCAGTG GATGGAACAT CCTGTAACTT TTCACCTGCAC TTGGCATTAT TTTTATAAGC TGAATGTGAT AATAAGGACA CTATGGAAAT
 GGTAGGTTGT AGTGGGTCAC CTACCTTGTA GGACATTGAA AAGTGACGTG AACCGTAATA AAAATATTTC ACTTACACTA TTATTCTCTGT GATACCTTTA
 1601 GTCTGGATCA TTCCGTTTGT CCGTACTTTG AGATTGTTGT TGGGATGTCA TTGTTTTTAC AGCACTTTTT TATCCTAATG TAAATGCTTT ATTTATTAT
 CAGACCTAGT AAGGCAACA CCGATGAAAC TCTAAACCAA ACCCTACAGT AACAAAAGTG TCGTGAAAAA ATAGGATTAC ATTTACGAAA TAAATAAATA
 1701 TTGGGCTACA TTGTAAGATC CATCTACAAA AAAAAAATAA AAAAAAAG GCGGCGCGG ACTCTAGAGT CGACCTGCAG AAGCTTGGCC GCCATGGCC
 AACCCGATGT AACATTCTAG GTAGATGTTT TTTTTTTTTT TTTTTTTTTT CCGCGCGCGC TCAGATCTCA GCTGGACGTC TTCGAACCCG CCGTACCCG

Fig. 1 (cont.)

Fig. 2A

Fig. 2B

Ap02	TNLTIKWVVKTGGRD-ASVHTLDDALETLGEBLAKQKIED
DR4	YAMLMLWVVKTGGRN-ASVHTLDDALERMEEBHAKKIKQD
Ap03/DR3	YEMLKPRWQQQP-AGLGAVYALERMGLDGCVEBDLRS
TNFR1	YSLATMRRRTPPRBAATLELTGGRVLRDMDLGLCLEDTEE
Fas/Apol	-QLLRNMHQLHGKKFA-Y-DTLIKDILKKANLCTLAEKDQT

Fig. 3

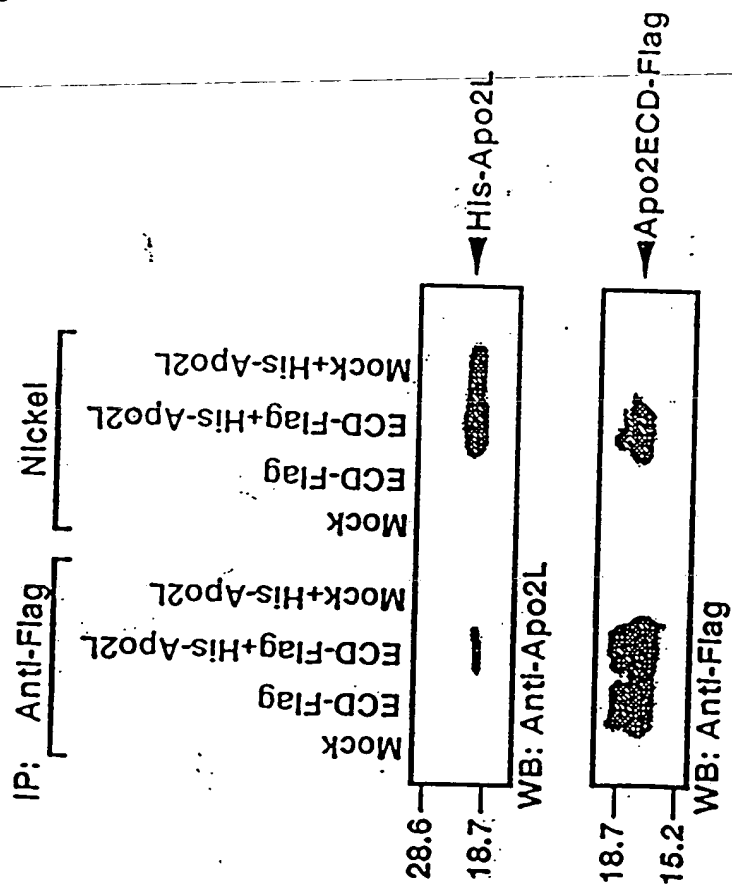
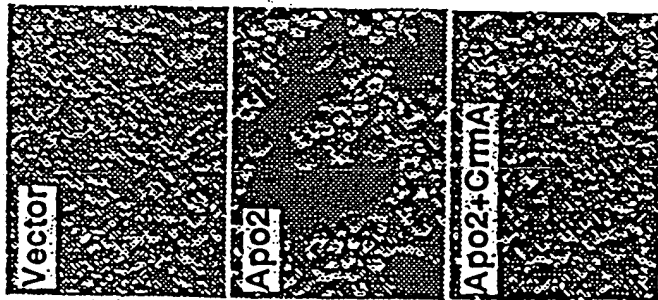
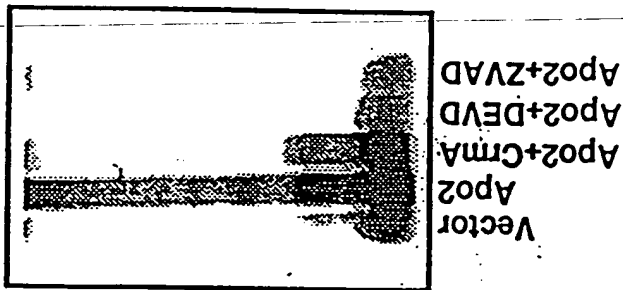


Fig. 4

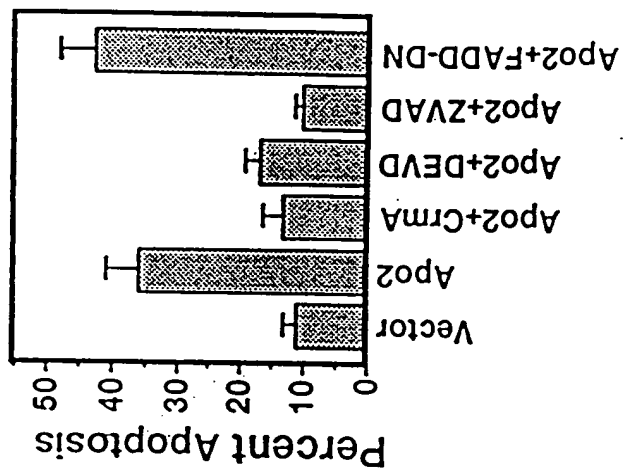
4A



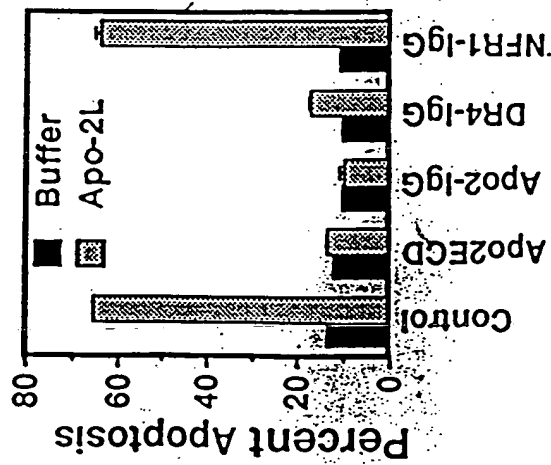
4B



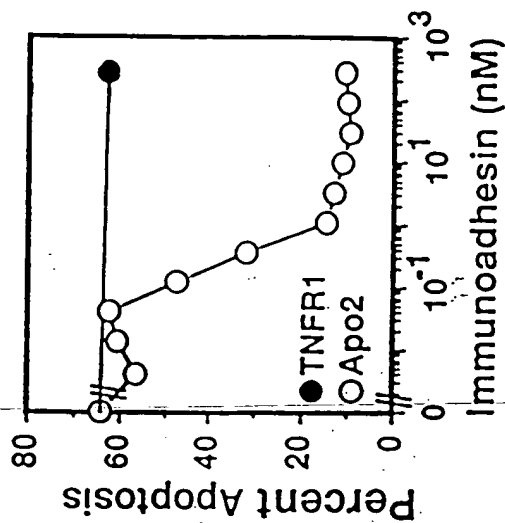
4C



4D



4E



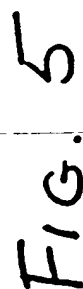
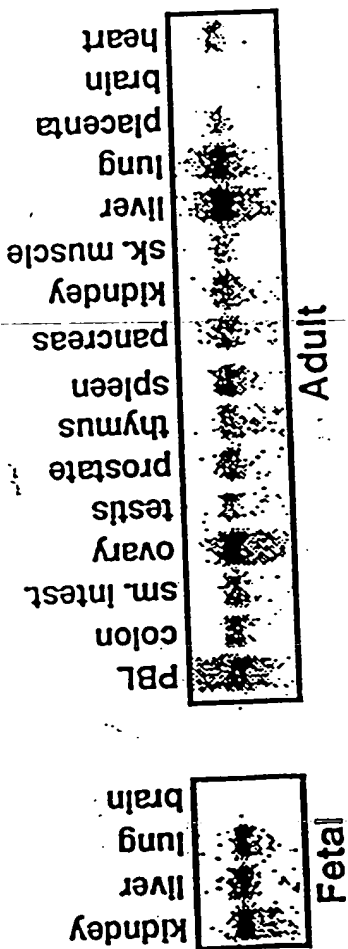


FIG. 6A



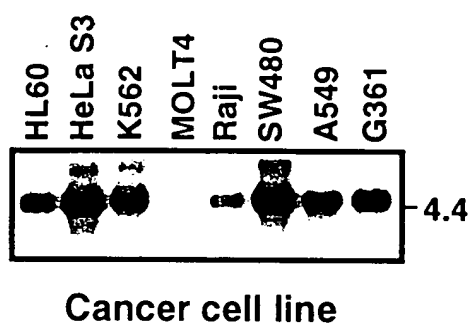


Fig. 6B

FOOT" 86/2500T

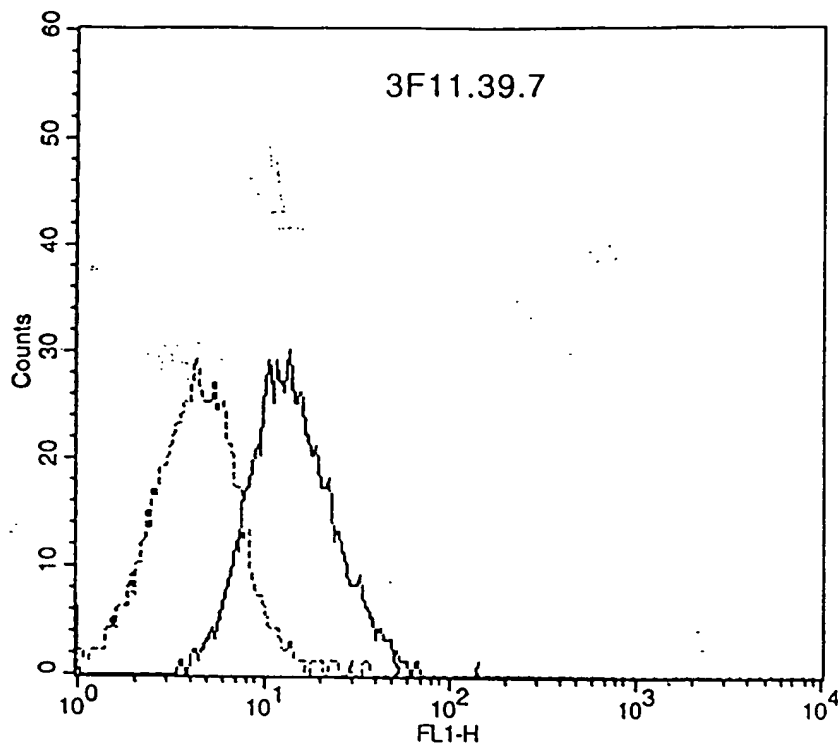


Fig. 7

FOOT 8625007

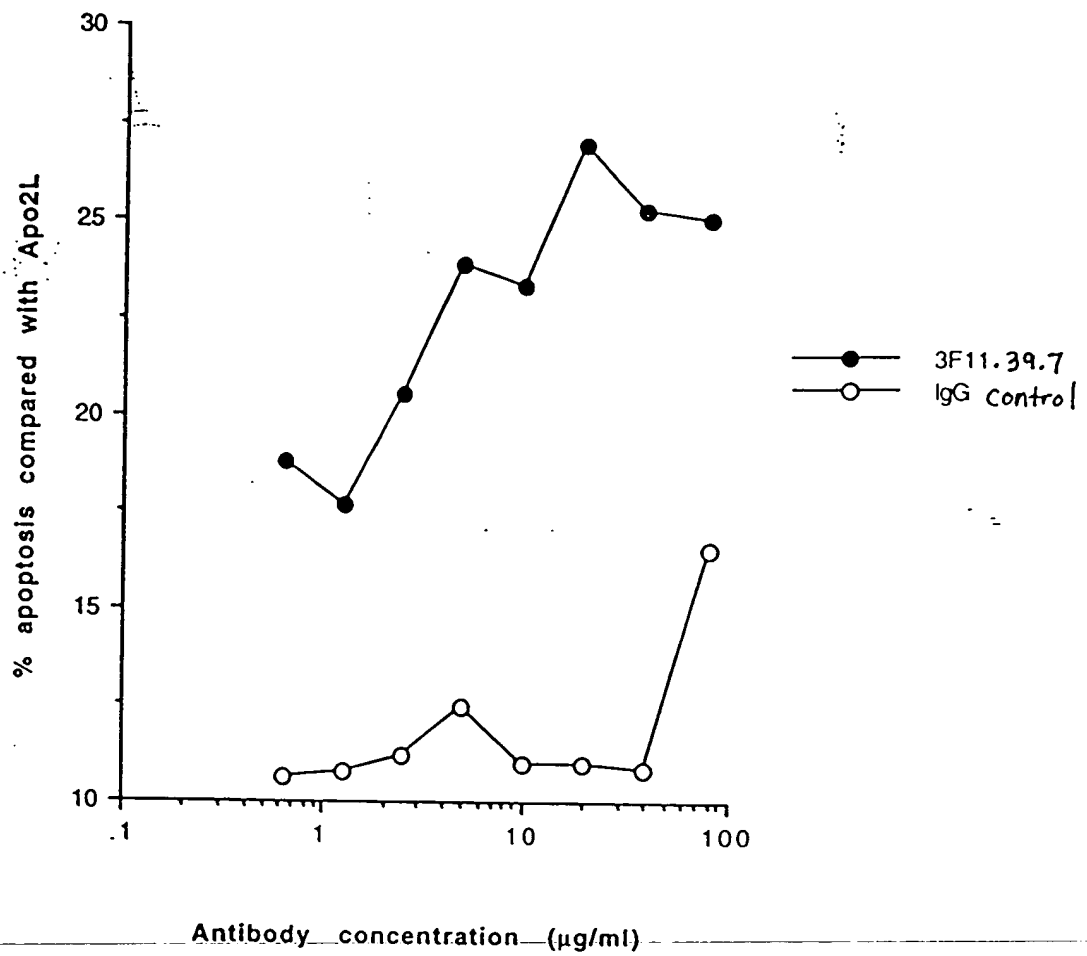


Fig. 8

105298.10201
"8625001"

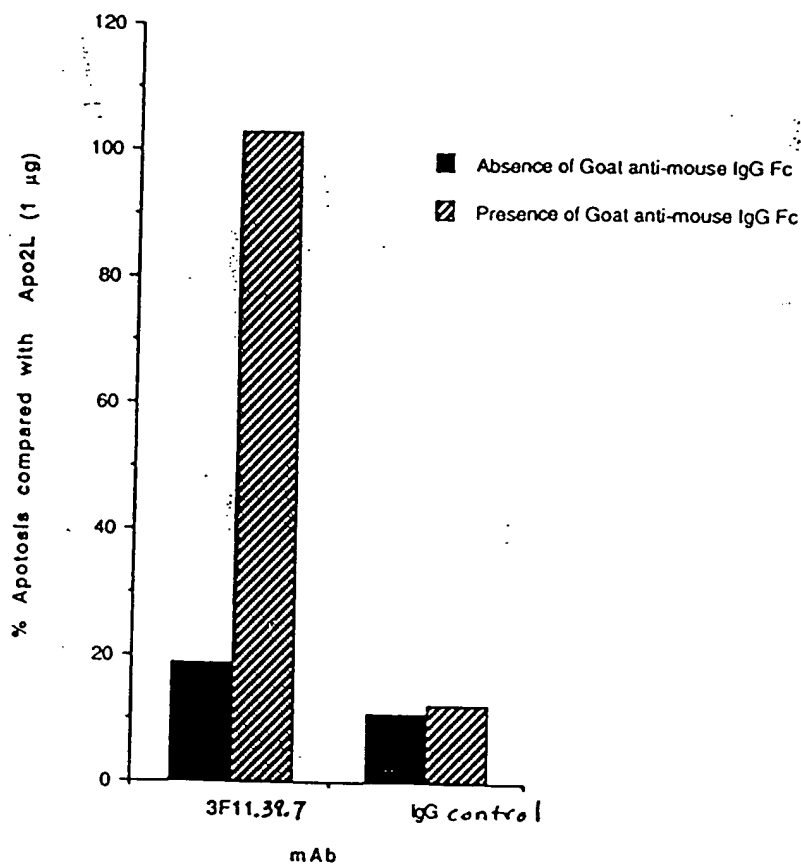


Fig. 9

105298100T

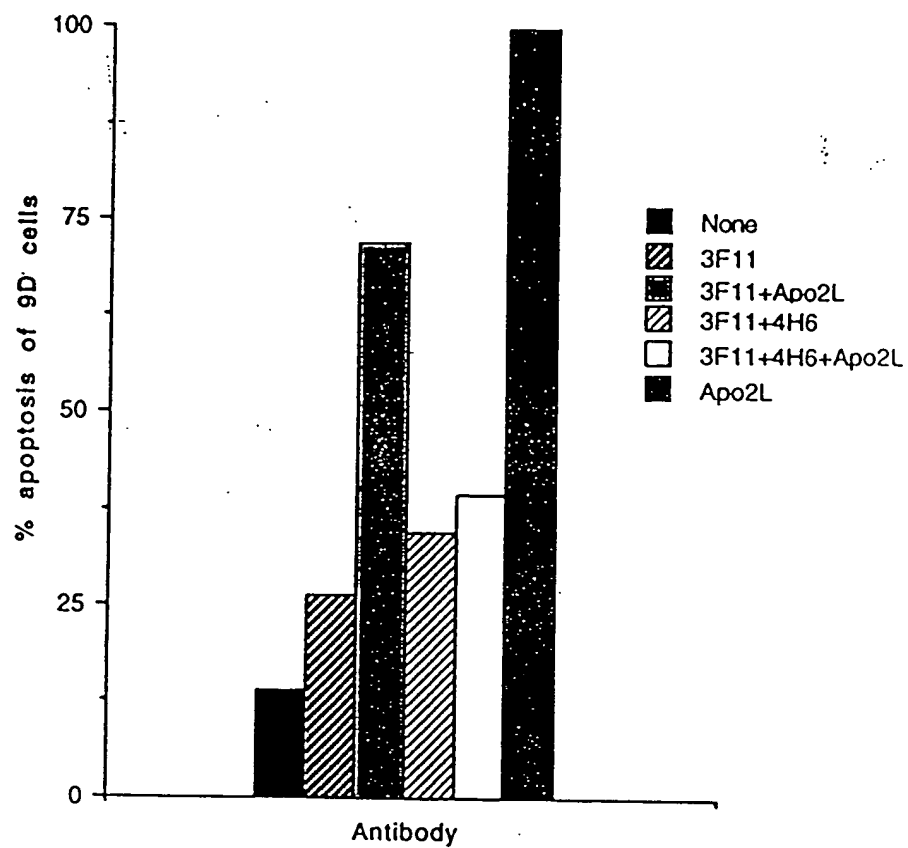


Fig : 10

FOOT 86/2500

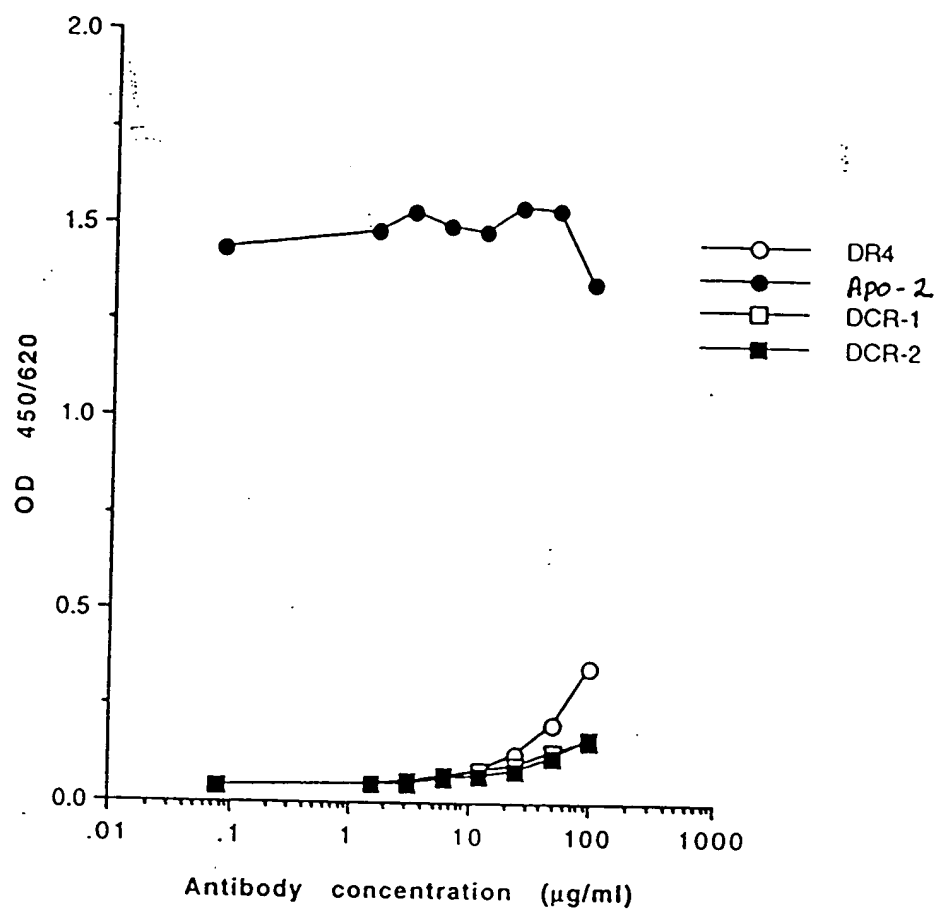


Fig. 11

1005298 10201

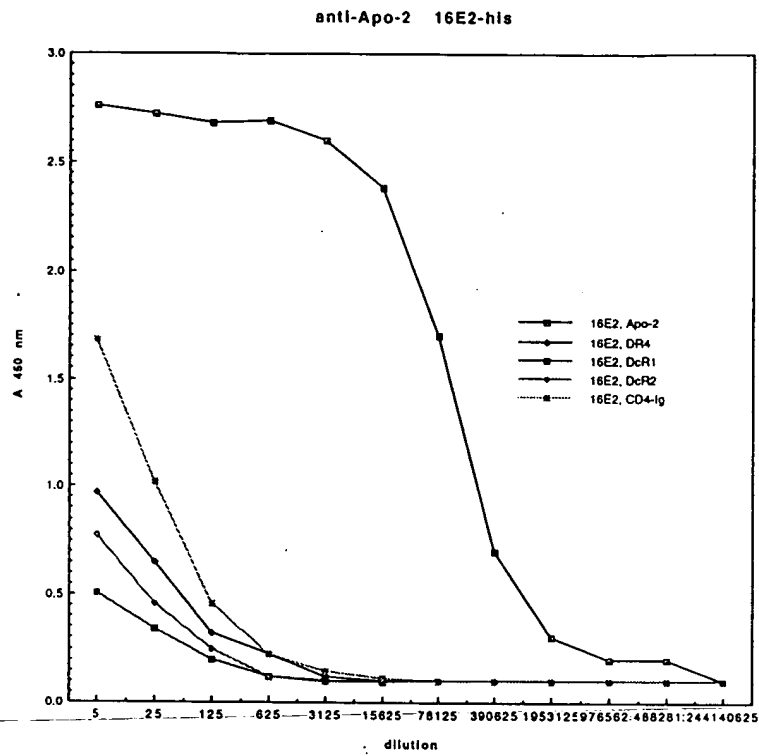


Fig. 12A

1005298-10201

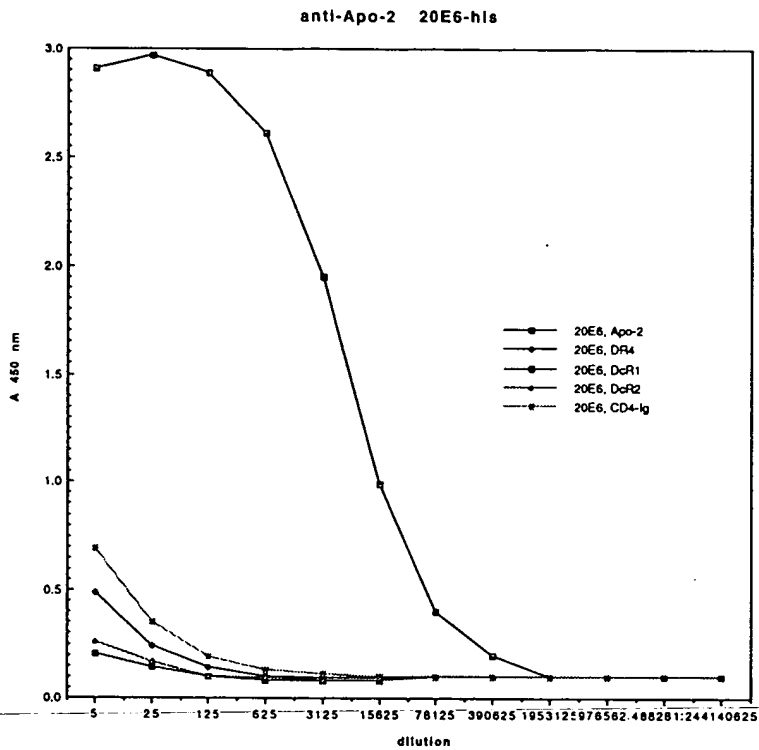


Fig. 12B

FOOT 8625007

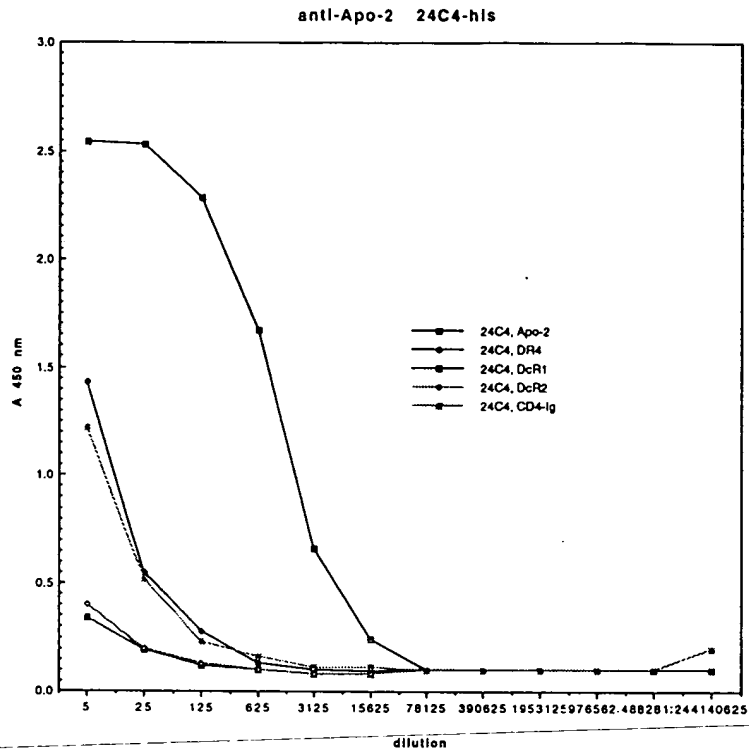


Fig. 12c

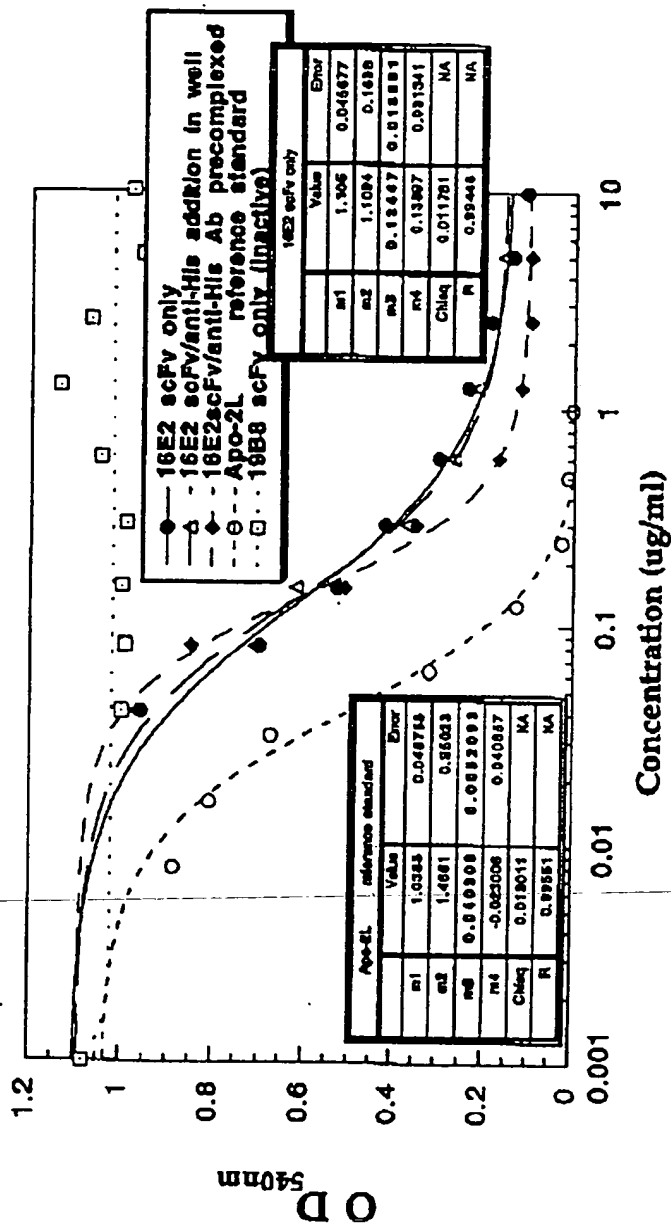


Fig. 13A

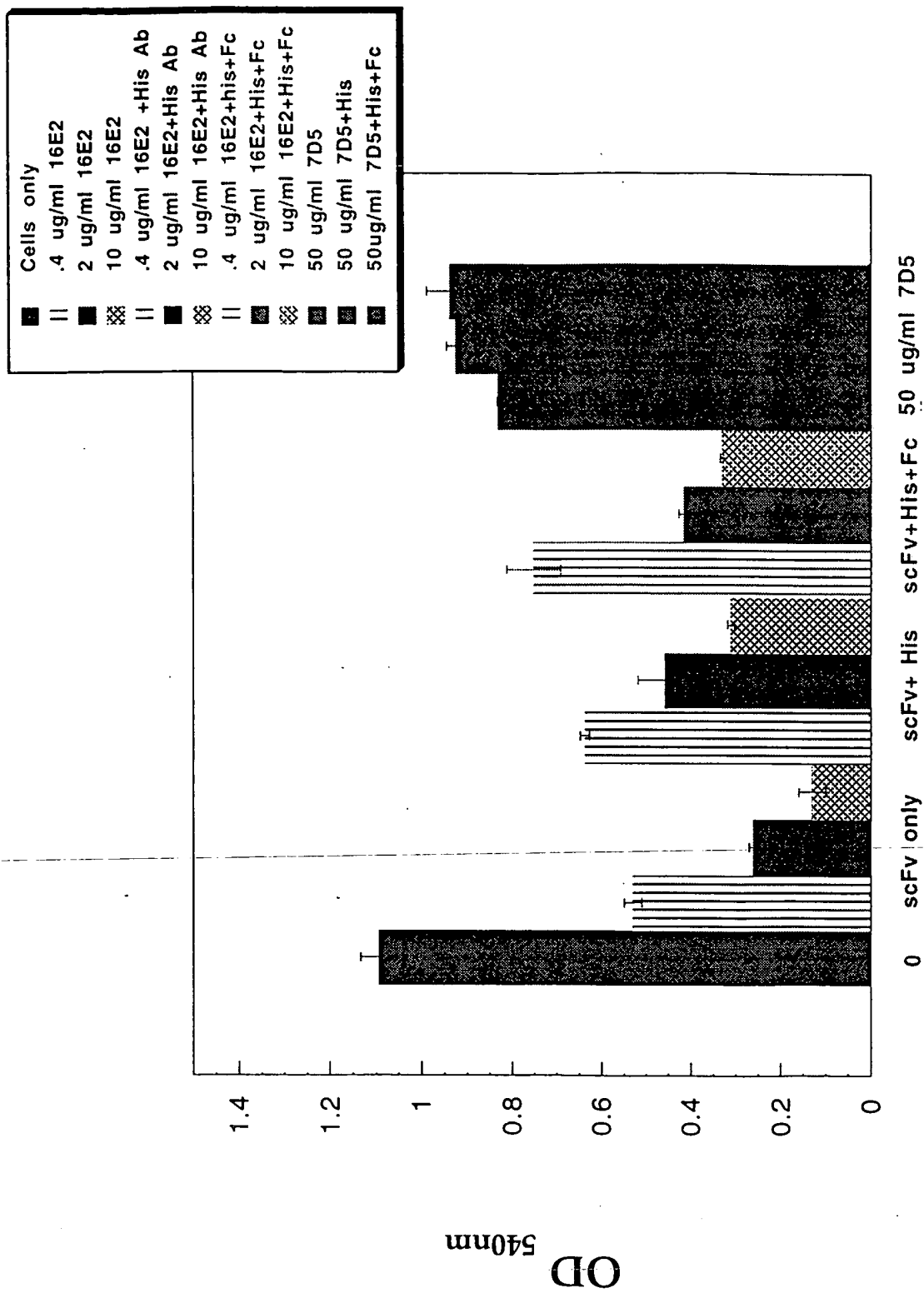


Fig. 13B

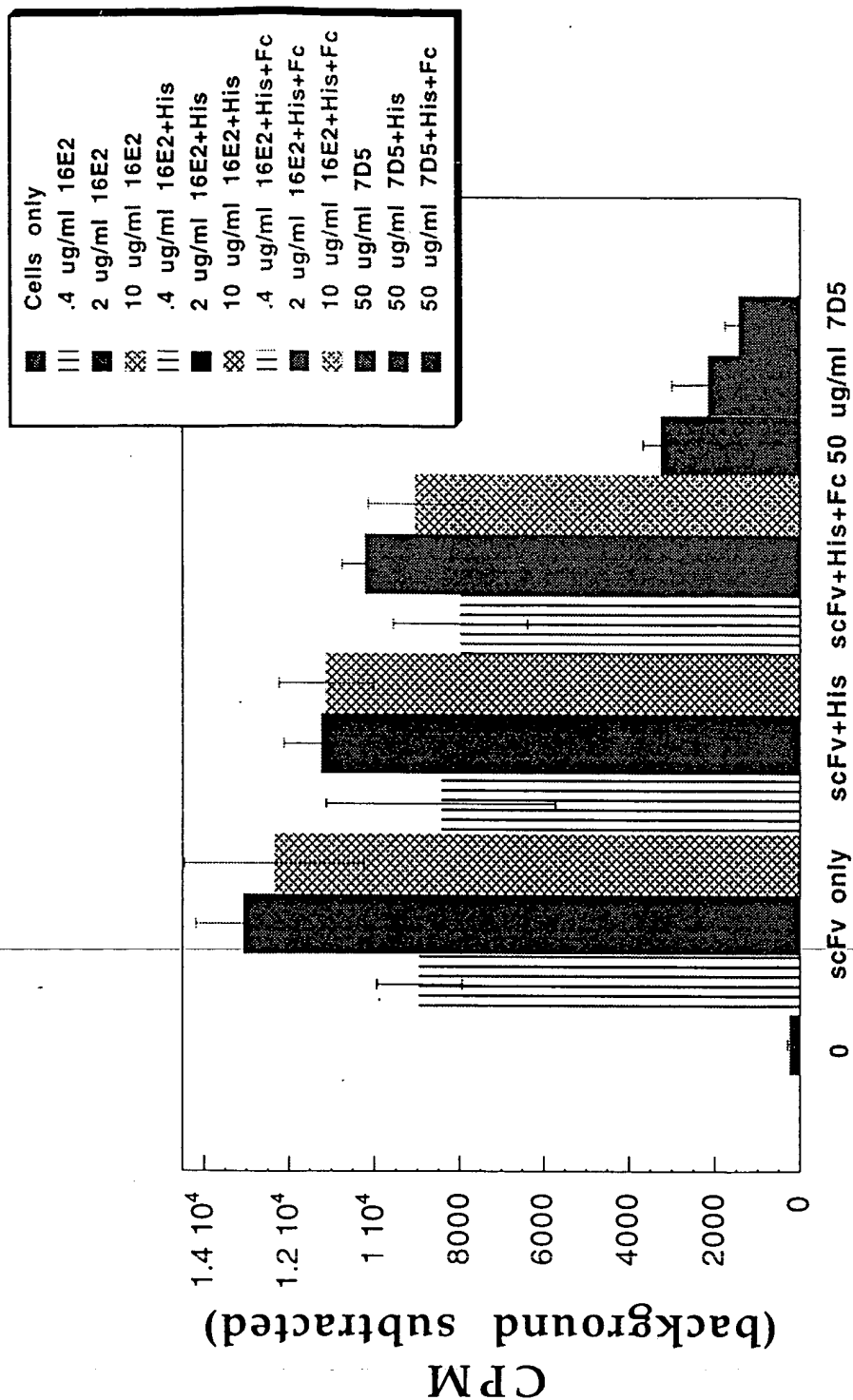


Fig. 13C

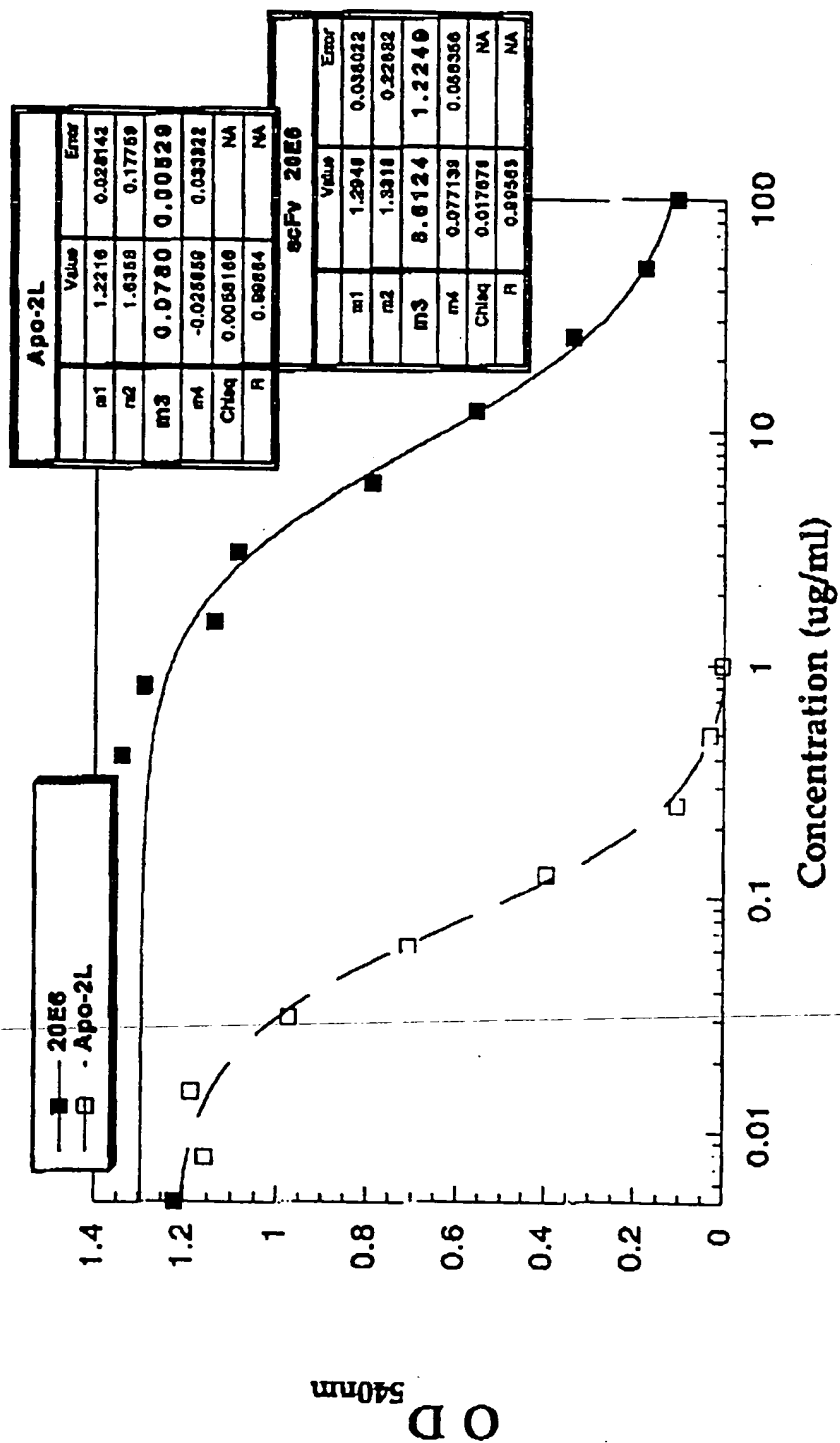


Fig 14A

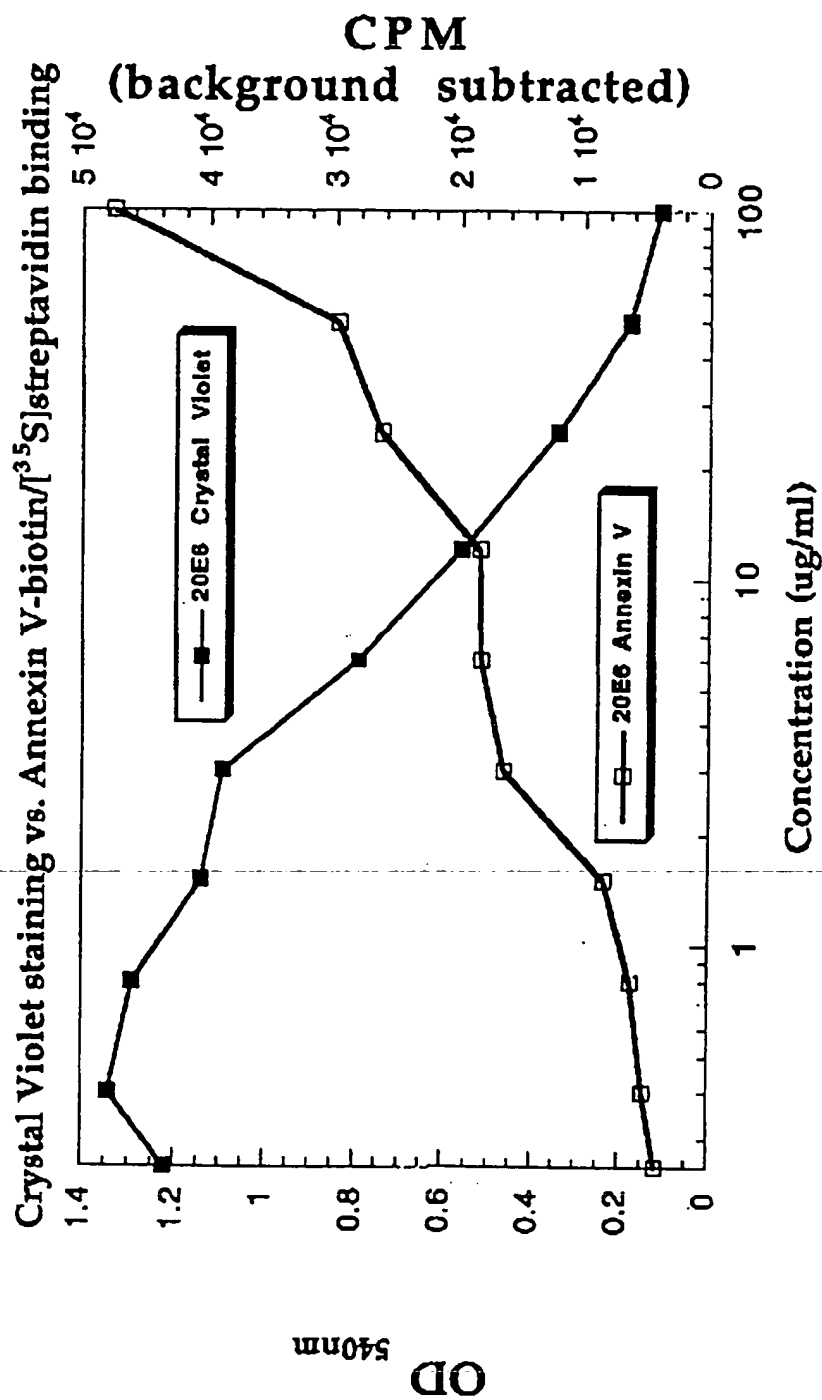


Fig. 14B

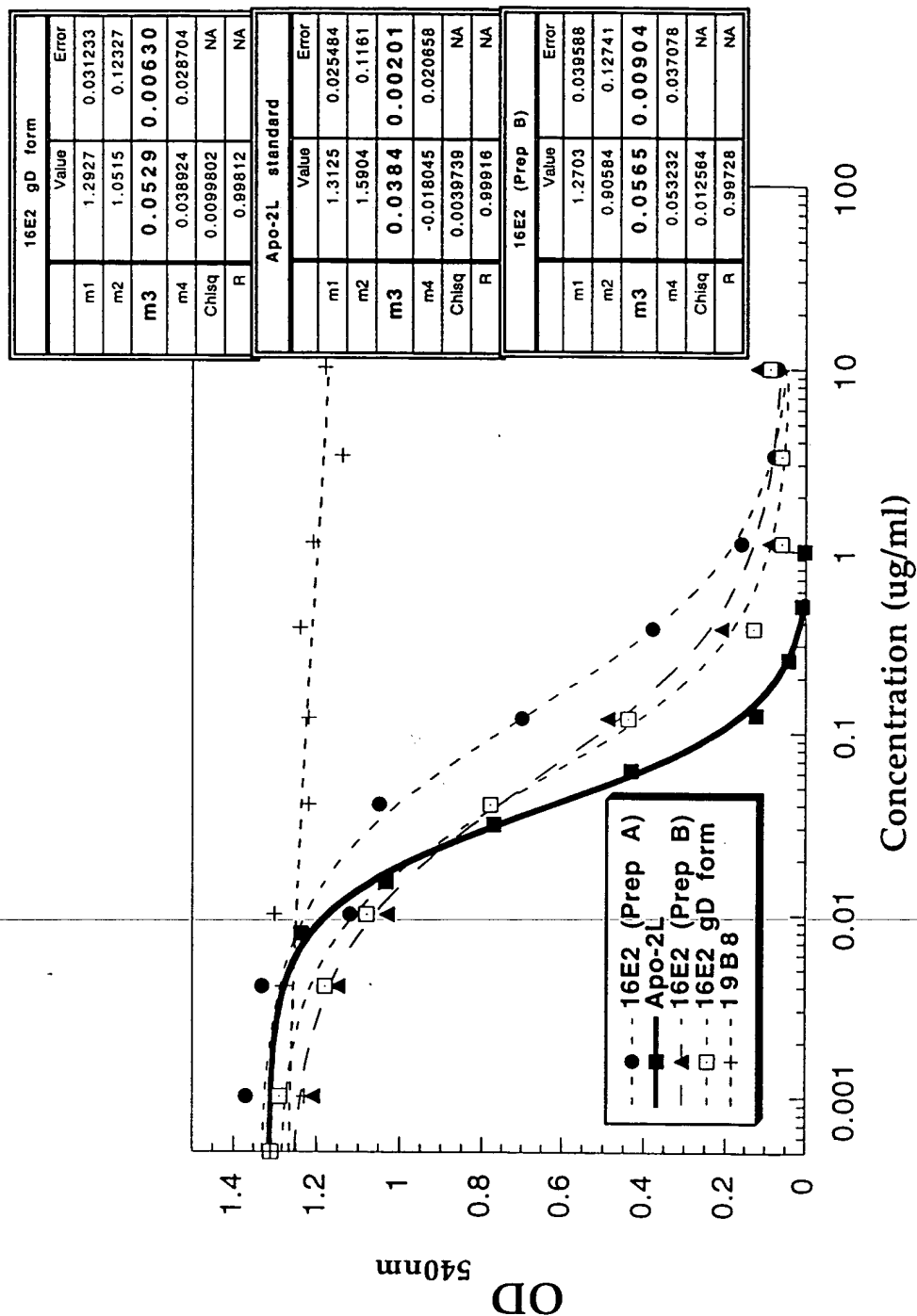


Fig. 14C

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTT TTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCGAG GTGCAGCTGG TGCAGTCTGG GGGAGGTGTG 150
 GAACGGCCGG GGGGGTCCCT GAGACTCTCC TGTGCAGCCT CTGGATTAC 200
 CTTTGATGAT TATGGCATGA GCTGGGTCCG CCAAGCTCCA GGAAGGGG 250
 TGGAGTGGGT CTCTGGTATT AATTGGAATG GTGGTAGCAC AGGATATGCA 300
 GACTCTGTGA AGGGCCGAGT CACCATCTCC AGAGACAACG CCAAGAACTC 350
 CCTGTATCTG CAAATGAACA GCCTGAGAGC CGAGGACACG GCCGTATATT 400
 ACTGTGCGAA AATCCTGGGT GCCGGACGGG GCTGGTACTT CGATCTCTGG 450
 GGAAGGGGA CCACGGTCAC CGTCTCGAGT GGTGGAGGCG GTTCAGGCGG 500
 AGGTGGCAGC GCGGGTGGCG GATCGTCTGA GCTGACTCAG GACCCTGCTG 550
 TGTCTGTGGC CTTGGGACAG ACAGTCAGGA TCAATGCCA AGGAGACAGC 600
 CTCAGAAGCT ATTATGCAAG CTGGTACCAG CAGAAGCCAG GACAGGCCCC 650
 TGTAATTGTC ATCTATGGTA AAAACAACCG GCCCTCAGGG ATCCCAGACC 700
 GATTCTCTGG CTCCAGCTCA ~~GGAAACACAG~~ CTCCTTGAC CATCACTGGG 750
 GCTCAGGCGG AAGATGAGGC TGACTATTAC TGTAACCTCC GGGACAGCAG 800
 TGGTAACCAT GTGGTATTCG GCGGAGGGAC CAAGCTGACC GTCCTAGGTG 850
 CGGCCGCACA TCATCATCAC CATCACGGGG CCGCAGAACA AAAACTCATC 900
 TCAGAAGAGG ATCTGAATGG GGCCGCATAG 930

Fig. 15A

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTTTTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCGGG GTGCAGCTGG TGGAGTCTGG GGGAGGCTTG 150
 GTCCAGCCTG GGGGGTCCCT GAGACTCTCC TGTGCAGCCT CTGGATTAC 200
 CTTTAGTAGC TATTGGATGA GCTGGGTCCG CCAGGCTCCA GGAAGGGGC 250
 TGGAGTGGGT GGCCAACATA AAGCAAGATG GAAGTGAGAA ATACTATGTG 300
 GACTCTGTGA AGGGCCGATT CACCATCTCC AGAGACAACG CCAAGAACTC 350
 ACTGTATCTG CAAATGAACA GCCTGAGAGC CGAGGACACG GCTGTGTATT 400
 ACTGTGCGAG AGATCTTTTA AAGGTCAAGG GCAGCTCGTC TGGGTGGTTC 450
 GACCCCTGGG GGAGAGGGAC CACGGTCACC GTCTCGAGTG GTGGAGGCGG 500
 TTCAGGCGGA GGTGGTAGCG GCGGTGGCGG ATCGTCTGAG CTGACTCAGG 550
 ACCCTGCTGT GTCTGTGGCC TTGGGACAGA CAGTCAGGAT CACATGCCAA 600
 GGAGACAGCC TCAGAAGCTA TTATGCAAGC TGGTACCAGC AGAAGCCAGG 650
 ACAGGCCCCT GTACTTGTCA TCTATGGTAA AAACAACCGG CCCTCAGGGA 700

TCCCAGACCG ATTCTCTGGC TCCAGCTCAG GAAACACAGC TTCCTTGACC 750
 ATCACTGGGG CTCAGGCGGA AGATGAGGCT GACTATTACT GTAACCTCCG 800
 GGACAGCAGT GGTAACCATG TGGTATTCGG CGGAGGGACC AAGCTGACCG 850
 TCCTAGGTGC GGCCGCACAT CATCATCACC ATCACGGGGC CGCAGAACAA 900
 AAACTCATCT CAGAAGAGGA TCTGAATGGG GCCGCATAG 939

Fig. 15B

ATGACCATGA TTACGCCAAG CTTTGGAGCC TTTTTTTTGG AGATTTTCAA 50
 CGTGAAAAAA TTATTATTCG CAATTCCTTT AGTTGTTTCCT TTCTATGCGG 100
 CCCAGCCGGC CATGGCCCAG GTGCAGCTGG TGCAGTCTGG GGGAGGCGTG 150
 GTCCAGCCTG GGCGGTCCCT GAGACTCTCC TGTGCAGCTT CTGGGTTCAT 200
 TTTCAAGTAGT TATGGGATGC ACTGGGTCCG CCAGGCTCCA GGCAAGGGGC 250
 TGGAGTGGGT GGCAGGTATT TTTTATGATG GAGGTAATAA ATACTATGCA 300
 GACTCCGTGA AGGGCCGATT CACCATCTCC AGAGACAATT CCAAGAACAC 350
 GCTGTATCTG CAAATGAACA GCCTGAGAGC TGAGGACACG GCTGTGTATT 400
 ACTGTGCGAG AGATAGGGGC TACTACTACA TGGACGTCTG GGGCAAAGGG 450
 ACCACGGTCA CCGTCTCCTC AGGTGGAGGC GGTTCAGGCG GAGGTGGCTC 500
 TGGCGGTGGC GGATCGCAGT CTGTGTTGAC GCAGCCGCCC TCAGTGTCTG 550
 GGGCCCCAGG ACAGAGGGTC ACCATCTCCT GCACTGGGAG AAGCTCCAAC 600
 ATCGGGGCAG GTCATGATGT AACTGGTAC CAGCAACTTC CAGGAACAGC 650
 CCCCAAATC CTCATCTATG ATGACAGCAA TCGGCCCTCA GGGGTCCCTG 700
 ACCGATTCTC TGGCTCCAGG TCTGGCACCT CAGCCTCCCT GGCCATCACT 750
 GGGCTCCAGG CTGAAGATGA GGCTGATTAT TACTGCCAGT CCTATGACAG 800
 CAGCCTGAGG GGTTCGGTAT TCGGCGGAGG GACCAAGGTC ACTGTCCTAG 850
 GTGCGGCCGC ACATCATCAT CACCATCACG GGGCCGCAGA AAAAAAATC 900
 ATCTCAGAAG AGGATCTGAA TGGGGCCGCA TAG 933

Fig. 15C

	signal	Heavy chain
Apo-2.16E2.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAEVQLVQSGGGV
Apo-2.20E6.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAGVQLVESGGGL
Apo-2.24C4.his	1	MIMITPSFGAFFLEIFNVKLLFAIPLVVPFYAAQPAMAVQLVQSGGGV
	CDR1	CDR2
Apo-2.16E2.his	51	ERPGGSLRLSCAASGFTFDDYGM SW RQAPGKGLEWVSGINWNGGSTGYA
Apo-2.20E6.his	51	VQPGGSLRLSCAASGFTFSSYWM SW RQAPGKGLEWVANIKODGSEKYYV
Apo-2.24C4.his	51	VQGRSLRLSCAASGFIFSSYGM H WRQAPGKGLEWVAGIFYDGGNKYYA
		CDR3
Apo-2.16E2.his	101	DSVKGRVTISRDNAKNSLYLQMNSLRAEDTAVYYCAKIL----GAGRGWY
Apo-2.20E6.his	101	DSVKGRFTISRDNAKNSLYLQMNSLRAEDTAVYYCARDLLKVKGSSSGW-
Apo-2.24C4.his	101	DSVKGRFTISRDNASKNTLYLQMNSLRAEDTAVYYCARD-----RGYY
		Light chain
Apo-2.16E2.his	147	F-DLWGKGTTVTIVSSGGGSGGGGSGGGGS-SELTQDPAVSVALGQIVRI
Apo-2.20E6.his	150	F-DPWGRGTTVTIVSSGGGSGGGGSGGGGS-SELTQDPAVSVALGQIVRI
Apo-2.24C4.his	143	YMDVWGKGTTVTIVSSGGGSGGGGSGGGGSQSVLTQPPSVSGAPGQRTI
	CDR1	CDR2
Apo-2.16E2.his	195	TCQGD SLR ---SYYASWYQQKPGQAPVLVTYGKNNRPSGIPDRFSGSSSG
Apo-2.20E6.his	198	TCQGD SLR ---SYYASWYQQKPGQAPVLVTYGKNNRPSGIPDRFSGSSSG
Apo-2.24C4.his	193	SC TGRSSNIGAGHDV HWYQQLPGTAPKLLTYDDSNRPSGVPDRFSGSRSG
		CDR3
Apo-2.16E2.his	242	NTASLTITGAQAEDEADYYCNSRDSSGNHVVF GGG TKLTVLGAAAHHHH
Apo-2.20E6.his	245	NTASLTITGAQAEDEADYYCNSRDSSGNHVVF GGG TKLTVLGAAAHHHH
Apo-2.24C4.his	243	TSASLAITGLQAEDEADYYCQSYDSSLRGSVF GGG TKVTVLGAAAHHHH
Apo-2.16E2.his	292	HGAAEQKLISEEDLN GAA
Apo-2.20E6.his	295	HGAAEQKLISEEDLN GAA
Apo-2.24C4.his	293	HGAAEQKLISEEDLN GAA

Fig. 16